

SELECT™

ABS

Why should I use SELECT™ ABS?

- High impact strength
- Easy to use
- Very good layer adhesion
- Higher melting point than PLA
- No hazardous fumes
- Based on RAL color system



* Please see our website for latest options and colors available.



SELECT™ ABS

SELECT™ABS (Acrylonitrile Butadiene Styrene) is a material that is widely used in both industry and as filament for 3D Printers. It's strong, light weight and very durable. The well-known Lego blocks are made from ABS and as you know that is a very high impact resistant piece of plastic and the same goes for parts printed with SELECT™ABS

SELECT™ABS is a very "easy to use" material and has a matte surface finish when printed. This ABS also has limited risk of warping when comparing to other brands of ABS. SELECT™ABS comes in a wide range of vivid colors that are all based on the RAL color system which in turns guarantees that you will get the same color every time you order a new spool.



CONTACT INFORMATION:

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INFORMATION:

With SELECT™ABS we have succeeded in making an ABS that are very easy to print with and gives you stunning result every time. This filament has a very high impact strength and are perfect for printing tools, toys and different gadgets. Thanks to the relative high melting temperature (± 103 °C) SELECT™ABS is also suitable for prints that are going to be used in hot environments. If you have a dual hot-end set up and are going to print with support we recommend that you use SELECT™PVA, that bonds well to our ABS and are easy to remove, SELECT™PVA is even soluble in water.

When printing with SELECT™ABS we recommend that you use a heated bed to limit warping and shrinkage. Set your heat bed to fl 90-110 °C for best results.

SELECT™ABS sticks on BuildTak or glass plate coated with adhesive spray or glue stick.

SELECT™ABS is reeled on a transparent spool with 750 g of high quality filament. It´s packed in a sturdy box and packed with silica gel to avoid moister.

SELECT™ABS are available in diameter sizes of 1.75 mm and 2.85 mm.

Our state of the art factory is equipped with the latest in laser measuring technology to ensure that you will receive a spool of filament with a very tight diameter and roundness tolerance. This in turn makes for a filament that is compatible with most common printers on the market today.

Dimensions

Size:	Ø tolerance	Roundness
1,75 mm	$\pm 0,05$ mm	≥ 95 %
2,85 mm	$\pm 0,10$ mm	≥ 95 %

Physical properties

Description:	Testmethod	Typical value
Specific gravity	ASTM D792	1,03 g/cc
MFR 220 °C/10kg	ASTM D1238	8,0 g/10 min
Tensile strength	ISO 527	44 Mpa
Strain at break	ISO 527	9 %
Tensile modulus	ASTM D638	2000 Mpa
Impact strength Izod method 23 °C	ISO 180/A	36 KJ/m ²

Thermal properties

Description:	Testmethod	Typical value
Printing temp	-	220-270 °C
Melting temp	ISO 294	245 °C ± 10 °C
Vicat softening temp	ISO 306	± 103 °C

Reseller: